KRAMER ELECTRONICS, Ltd.
www.kramerelectronics.com

VM-114H

2x1:4 HDMI/Twisted Pair Switcher & HDMI Distribution Amplifier

The VM−114H is a switcher/distribution amplifier for HDMI and DGKat™ twisted pair signals. It reclocks and equalizes one of two selectable input signals and distributes it to four identical HDMI outputs.

FEATURES

- Max. Data Rate - 6.75Gbps (2.25Gbps per graphic channel, HDMI), 4.95Gbps (1.65Gbps per graphic channel, DGKat).
- HDTV Compatible.
- HDCP Compliant.
- DGKat™ Signal Integration - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables. We strongly recommend using Kramer DGKat™ cables designed specifically for optimum performance.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI systems.
- HDMI Support - Deep Color (on the HDMI input), x.v.Color™, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS−HD.
- 3D Pass-Through.
- Kramer Equalization & re-Klocking™ Technology - Rebuilds the digital signal to travel longer distances.
- System Range - Up to 90m (295ft) at 1080i, or up to 30m (98ft) at 1080p on shielded BC−DGKat524 cable. Up to 90m (295ft) at 1080i, or up to 70m (230ft) at 1080p on shielded BC−DGKat623 cable. Up to 100m (330ft) at 1080i or up to 90m (295ft) at 1080p on shielded BC−DGKat7a23 cable.
- Cable - Requires STP (shielded twisted pair) cable. For optimum range and performance, use Kramer's BC−DGKat524, BC−DGKat623 or BC−DGKat7a23 cables. Note that the transmission range depends on the signal resolution, graphics card and display used. The distance using non−Kramer CAT 5, CAT 6, and CAT 7 cables may not reach these ranges. Use only shielded cable where both ends of the shield are soldered to ground.
- Active Input & Output LED Indicators.
- Power Connect™ System - A single connection to the transmitter or the receiver powers both units when the devices are within 90m (270ft) of each other.
- Flexible Control Options - Front panel buttons, RS−232, IR control sensor, remote included.
- Desktop Size - Compact size. 2 units can be rack mounted side−by−side in a 1U rack space with the optional RK−1 adapter.

VM-114H

TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI connector; 1 DGKat™ on an RJ−45 connector.
OUTPUTS:	4 HDMI connectors.
MAX. DATA RATE:	6.75Gbps (2.25Gbps per graphic channel, HDMI), 4.95Gbps (1.65Gbps per graphic channel, DGKat).
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP.
CONTROLS:	Input select button, EDID select button, panel lock button.
INDICATOR LEDs:	IR communication, power, IN 1 (HDMI), IN 2 (CAT 5), OUTPUT 1, 2, 3 and 4.
POWER CONSUMPTION:	12V DC, 500mA.
DIMENSIONS:	21.5cm x 7.5cm x 4.4cm (8.5" x 3.0" x 1.7") W, D, H.
WEIGHT:	0.9kg (1.98lbs) approx.
INCLUDED ACCESSORIES:	Power supply, bracket installation kit, RC−IR3 infrared remote control transmitter.
OPTIONS:	RK−1 19” rack adapter.